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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/787,328B

DATE: 11/06/2002
TIME: 14:43:42

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\11062002\1787328B.raw

3 <110> APPLICANT: Yu, Long
4 Zhang, Honglai
5 Fu, Qiang
6 Zhao, Yong
7 Tu, Qiang
9 <120> TITLE OF INVENTION: NEW HUMAN HEPATOMA-DERIVED GROWTH FACTOR ENCODING SEQUENCE

AND

10 POLYPEPTIDE ENCODED BY SUCH DNA SEQUENCE AND PRODUCING METHOD THEREOF
12 <130> FILE REFERENCE: 9548.50USWO
14 <140> CURRENT APPLICATION NUMBER: US 09/787,328B
15 <141> CURRENT FILING DATE: 2001-03-16
17 <150> PRIOR APPLICATION NUMBER: PCT/CN99/00139
18 <151> PRIOR FILING DATE: 1999-09-06
20 <150> PRIOR APPLICATION NUMBER: CN 98119758.2
21 <151> PRIOR FILING DATE: 1998-09-22
23 <160> NUMBER OF SEQ ID NOS: 10
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 23
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
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39 <210> SEQ ID NO: 2
40 <211> LENGTH: 26
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)
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51 <210> SEQ ID NO: 3
52 <211> LENGTH: 1024
53 <212> TYPE: DNA
54 <213> ORGANISM: Homo sapiens
56 <400> SEQUENCE: 3
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61 atggcgctc cgccggcccg cgagtacaaa gcgggcgacc tggcttcgc caagatgaag 180
63 ggctacccgc actggccggc ccggattgtat gaactcccag agggcgctgt gaagcctcca 240
65 gcaaacaagt atccatatctt ctttttgcc acccatgaaa ctgcatttct aggtcccaa 300
67 gaccttttc catataagga gtacaaagac aagtttggaa agtcaaacaa acggaaagga 360

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73	agcagtgagg	aagaaggtga	tagatgtagaa	gaagatggaa	aaggcaaaag	aaagaatgaa	540
75	aaagcaggct	caaaacggaa	aaagtcatat	acttcaaaga	aatcctctaa	acagtcgg	600
77	aaatctccag	gagatgaaga	tgacaaagac	tgcaaaagaag	aggaaaacaa	aagcagctct	660
79	gagggtggag	atgcggcaa	cgacacaaga	aacacaactt	cagacttgca	gaaaaccagt	720
81	gaagggacct	aactaccata	atgaatgctg	catattaaga	gaaaccacaa	gaaggttata	780
83	tgttgggt	tctaatttgc	ttggatttga	tatgaaccaa	cacatagtcc	ttgttgtcat	840
85	tgacagaacc	ccagttgt	tgtacattat	tcatattcct	ctctgttgc	tttcgggggg	900
87	aaaagacatt	ttagccttt	ttaaaagtta	ctgatttaat	ttcatgttat	ttgggttgc	960
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94 <210> SEQ ID NO: 4

95 <211> LENGTH: 203

96 <212> TYPE: PRT

97 <213> ORGANISM: Homo sapiens

99 <400> SEQUENCE: 4

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106		20	25	30			
109	Pro Glu Gly Ala Val Lys Pro Pro Ala Asn Lys Tyr Pro Ile Phe Phe						
110		35	40	45			
113	Phe Gly Thr His Glu Thr Ala Phe Leu Gly Pro Lys Asp Leu Phe Pro						
114		50	55	60			
117	Tyr Lys Glu Tyr Lys Asp Lys Phe Gly Lys Ser Asn Lys Arg Lys Gly						
118		65	70	75	80		
121	Phe Asn Glu Gly Leu Trp Glu Ile Glu Asn Asn Pro Gly Val Lys Phe						
122		85	90	95			
125	Thr Gly Tyr Gln Ala Ile Gln Gln Ser Ser Ser Glu Thr Glu Gly						
126		100	105	110			
129	Glu Gly Asn Thr Ala Asp Ala Ser Ser Glu Glu Gly Asp Arg						
130		115	120	125			
133	Val Glu Glu Asp Gly Lys Gly Lys Arg Lys Asn Glu Lys Ala Gly Ser						
134		130	135	140			
137	Lys Arg Lys Lys Ser Tyr Thr Ser Lys Lys Ser Ser Lys Gln Ser Arg						
138		145	150	155	160		
141	Lys Ser Pro Gly Asp Glu Asp Asp Lys Asp Cys Lys Glu Glu Glu Asn						
142		165	170	175			
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159	<223> OTHER INFORMATION: Synthetic primer for polymerase chain reaction (PCR)						

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170 <220> FEATURE:	
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177 <210> SEQ ID NO: 7	
178 <211> LENGTH: 29	
179 <212> TYPE: DNA	
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182 <220> FEATURE:	
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202 <211> LENGTH: 1563	
203 <212> TYPE: DNA	
204 <213> ORGANISM: Mus musculus	
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209 catgtcgca tccaaaccggc agaaaagaga caagtgcgga gacctgggt ttgcgaagat	120
211 gaaaggatac ccacactggc cggcccgat tgatgagatg cctgaggctg cagtgaagtc	180
213 aacagccaac aaataccaag tctttttttt tgggacccat gagacggcat tcctggggccc	240
215 caaagacctc ttcccttatg aggaatccaa ggagaagttt ggcaagccca acaagaggaa	300
217 agggttcagc gaggggctgtt gggagatcga gaacaaccct acagtcaagg cctctggcta	360
219 ccagtcctcc cagaaaaaga gttgtgcgagc agagcccgag gtggagcccg aagcccatga	420
221 gggtgacggt gataagaagg gcagtgcaga gggcagcagc gacgaagaag ggaaactgtgt	480
223 gatcgatgaa ccagccaagg agaagaacga aaagggcagc ctgaagagga gagcaggggaa	540
225 tgtgttggag gactccccta aacgtcccaa ggagtcaagga gaccatgagg aggaggacaa	600
227 ggagatagct gccttggagg gtgagagggca cctgcgtta gaggtggaga agaacagcac	660
229 cccctctgag ccagactctg gccaggacc tcctgcagag gaagaagagg gagaggaaga	720
231 ggctgccaag gaagaggctg aagccccagg cgtcagagat catgagagcc ttagccacc	780
233 aatgtttcaa gaggagcccc tggcccggtc ctgtgtgtt ctgggtgcta ctggggaaac	840
235 tggccatggc ctgcaaactg gaaaccctt cccaccctat ttaccctact ccctcactca	900
237 ctctctcctc taagccact cctggagagt gtctggccc tcacctccag ctcccttcct	960
239 atatacaccc tgtgccccag gatgagatga ggcctttgtt tctcttaca cttgtttccc	1020
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247	ttcccatctg	cctacattca	agaaacagga	cactgtggga	gagaggctac	catccatcca	1260									
249	taaattcttg	ttgatffff	ggaacactta	tccccctgac	cccagggttc	aagaattgt	1320									
251	agtttaacat	ctagactttg	gagttccaa	gttgggcct	aggacctgg	gggagctaag	1380									
253	agctgaagaa	tcaactgatt	tgcattgagg	aatgtctct	ttagatctca	gggcagaaat	1440									
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278					35				40						45	
281	Phe	Phe	Gly	Thr	His	Glu	Thr	Ala	Phe	Leu	Gly	Pro	Lys	Asp	Leu	Phe
282					50				55						60	
285	Pro	Tyr	Glu	Glu	Ser	Lys	Glu	Lys	Phe	Gly	Lys	Pro	Asn	Lys	Arg	Lys
286					65				70						80	
289	Gly	Phe	Ser	Glu	Gly	Leu	Trp	Glu	Ile	Glu	Asn	Asn	Pro	Thr	Val	Lys
290					85				90						95	
293	Ala	Ser	Gly	Tyr	Gln	Ser	Ser	Gln	Lys	Lys	Ser	Cys	Ala	Ala	Glu	Pro
294					100				105						110	
297	Glu	Val	Glu	Pro	Glu	Ala	His	Glu	Gly	Asp	Gly	Asp	Lys	Lys	Gly	Ser
298					115				120						125	
301	Ala	Glu	Gly	Ser	Ser	Asp	Glu	Glu	Gly	Lys	Leu	Val	Ile	Asp	Glu	Pro
302					130				135						140	
305	Ala	Lys	Glu	Lys	Asn	Glu	Lys	Gly	Thr	Leu	Lys	Arg	Arg	Ala	Gly	Asp
306					145				150						155	160
309	Val	Leu	Glu	Asp	Ser	Pro	Lys	Arg	Pro	Lys	Glu	Ser	Gly	Asp	His	Glu
310					165				170						175	
313	Glu	Glu	Asp	Lys	Glu	Ile	Ala	Ala	Leu	Glu	Gly	Glu	Arg	His	Leu	Pro
314					180				185						190	
317	Val	Glu	Val	Glu	Lys	Asn	Ser	Thr	Pro	Ser	Glu	Pro	Asp	Ser	Gly	Gln
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325	Glu	Ala	Glu	Ala	Pro	Gly	Val	Arg	Asp	His	Glu	Ser	Leu			
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VERIFICATION SUMMARY

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